

CLAIMS

1. A telecommunications system, comprising:
- a digital subscriber line;
  - a plurality of analog telephone terminals;
  - at least one digital data terminal;
  - 5 a power supply having a high voltage alternating current input and a low voltage direct current output;
  - a telecommunications customer service terminal having a signal-input terminal for connection to said digital subscriber line, having a plurality of analog telephone output terminals for connection to individual ones of said
  - 10 plurality of analog telephone terminals, having at least one digital data output terminal for connection to said at least one digital data terminal, and having a low voltage direct current power input terminal for connection to said a low voltage direct current output of said power supply;
  - said telecommunications customer service terminal being constructed
  - 15 in the absence of an on/off switch, such that said telecommunications customer service terminal remains continuously active so long as a low voltage direct current is continuously supplied to said low voltage direct current power-input terminal;
  - a length of telephone wire connecting said signal-input terminal of said
  - 20 telecommunications customer service terminal to said digital subscriber line;
  - a plurality of lengths of telephone wire connecting individual ones of said analog telephone output terminals of said telecommunications customer service terminal to individual ones of said plurality of analog telephone terminals;
  - 25 at least one length of telephone wire connecting said at least one digital data output terminal of said telecommunications customer service terminal to said at least one digital data terminal; and

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30 a length of telephone wire connecting said low voltage direct current  
power terminal of said telecommunications customer service terminal to said  
low voltage direct current output of said power supply.

2. A telecommunications system, comprising:

a power supply having a high voltage alternating current input and a  
low voltage direct current output;

5 a telecommunications customer service terminal having a signal input  
terminal connected to a digital subscriber line, having a plurality of analog  
telephone output terminals connected to individual ones of a plurality of  
analog telephone terminals, having at least one digital data output terminal  
connected to at least one digital data terminal, and having a low voltage direct  
current input terminal for connection to said low voltage direct current output  
10 of said power supply; and

a length of AWG telephone wire connecting said low voltage direct  
current input terminal of said telecommunications customer service terminal  
to said low voltage direct current output of said power supply.

3. The telecommunications system of claim 2 wherein said  
telecommunications customer service terminal is constructed in the absence of  
an on/off switch, such that said telecommunications customer service terminal  
remains continuously active so long as a low voltage direct current is  
5 continuously supplied to said low voltage direct current power input terminal,  
and wherein said power supply includes:

a manually-removable battery pack that is operable to supply a low  
voltage direct current to said low voltage direct current input terminal of said  
telecommunications customer service terminal upon failure of said high  
10 voltage alternating current input to said power supply, said battery pack being  
replaceable with a different battery pack when said battery pack becomes  
discharged or relatively discharged in the presence of a failure of said high  
voltage alternating current input to said power supply.

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4. A method of constructing a telecommunications system,  
comprising;

providing a digital subscriber line;

providing a plurality of analog telephone terminals;

5 providing at least one digital data terminal;

providing a power supply having a high voltage alternating current  
input and a low voltage direct current output;

providing a telecommunications customer service terminal having a  
signal input terminal for connection to said digital subscriber line, having a  
10 plurality of analog telephone output terminals for connection to individual  
ones of said plurality of analog telephone terminals, having at least one  
digital data output terminal for connection to said at least one digital data  
terminal, and having a low voltage direct current power input terminal for  
connection to said a low voltage direct current output of said power supply;

15 said telecommunications customer service terminal being constructed  
in the absence of an on/off switch, such that said telecommunications  
customer service terminal remains continuously active so long as a low  
voltage direct current is continuously supplied to said low voltage direct  
current power input terminal;

20 providing a length of telephone wire connecting said signal input  
terminal of said telecommunications customer service terminal to said digital  
subscriber line;

providing a plurality of lengths of telephone wire connecting  
individual ones of said analog telephone output terminals of said  
25 telecommunications customer service terminal to individual ones of said  
plurality of analog telephone terminals;

providing at least one length of telephone wire connecting said at least  
one digital data output terminal of said telecommunications customer service  
terminal to said at least one digital data terminal; and

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TOTAL 1802/860

30 providing a length of telephone wire connecting said low voltage direct  
current power terminal of said telecommunications customer service terminal  
to said low voltage direct current output of said power supply.

5. The method of claim 4 including:

providing a manually removable battery pack within said power  
supply;

said battery pack being operable to supply a low voltage direct current  
5 to said low voltage direct current input terminal of said telecommunications  
customer service terminal upon failure of said high voltage alternating current  
input to said power supply, said battery pack being replaceable with a  
different battery pack when said battery pack becomes discharged or  
relatively discharged in the presence of a failure of said high voltage  
10 alternating current input to said power supply.

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